

Applicant : Riccardo Dalla Favera
Serial No.: 09/724,254
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Page 2

Listing of claims:

1-42. (canceled)

43. (amended) An isolated antibody directed to an a ~~purified IRTA~~ IRTA2 protein ~~selected from the group consisting of human IRTA1, IRTA2, IRTA3, IRTA4 and IRTA5,~~ wherein the IRTA2 protein comprises the amino acid sequence set forth in SEQ ID NOs:44, 3, or 41.

44. (canceled)

45. (previously presented) The antibody of claim 43, wherein the antibody is a monoclonal antibody.

46. (previously presented) The antibody of claim 43, wherein the antibody is a murine monoclonal antibody or a humanized monoclonal antibody.

47. (previously presented) The antibody of claim 43, wherein the antibody is conjugated to a therapeutic agent.

48-68. (canceled)

69. (previously presented) The antibody of claim 43, wherein the antibody is a polyclonal antibody.

70. (previously presented) The antibody of claim 47, wherein the therapeutic agent comprises a

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Page 3

radioisotope, a toxin or a chemotherapeutic agent.